

REMARKS

The specification has been amended to make editorial changes to place the application in condition for allowance at the time of the next Official Action.

Claims 1-10 are present in the application. Applicant would like to thank the Examiner for indicating allowable subject matter in claims 4, 5, 8 and 10.

Claims 1-3, 6-7 and 9 are rejected as anticipated by SOUMIYA et al. 5,583,857. This rejection is respectfully traversed.

Claim 1 provides the steps of calculating an assigned bandwidth on a link associated with a QoS-specified connection request and calculating an estimated bandwidth to be assigned to an existing QoS-unspecified traffic on the link associated with the QoS-specified connection request.

By way of example, Figure 4A of the present application shows an assigned bandwidth A_{QoS} and an estimated bandwidth A_{UBR} . As disclosed on page 11, lines 9-16 of the present application, the assigned bandwidth D45 indicates the bandwidth currently used or occupied by CBR/VBR/UBR-traffic virtual connections. The assigned bandwidth D45 is an actual value stored in traffic management table 21.

As disclosed on page 12, lines 2-18 of the present application, cell traffic computation section 13 receives cell

counts from counters 51 and 52. The cell counts are used to create a record in the cell traffic management table 53, such that an average reception/transmission traffic of all UBR-traffic is calculated. The average reception/transmission traffic is then sent back to the call admission decision manager 12 as an estimated UBR traffic.

Accordingly, a current actual or assigned bandwidth is calculated and an estimated bandwidth is calculated.

Column 7, lines 19-36 of SOUMIYA et al., noted in the Official Action, disclose the step of obtaining a required bandwidth as an estimated bandwidth on the basis of the sum of the average cell rate of all calls that belong to a particular traffic class and the step of judging whether there is vacant bandwidth based on the sum of the estimated bandwidths for all traffic classes.

Accordingly, SOUMIYA et al. calculate an estimated bandwidth for a QoS-specified connection and calculate an estimated bandwidth for all QoS-specified traffic. Specifically, column 9, lines 62-64 of SOUMIYA et al., a judging portion 18 judges whether or not the sum of the estimated bandwidth VX and the total estimated bandwidth V for all the calls having a variable-speed traffic property is smaller than the physical bandwidth Z.

Accordingly, SOUMIYA et al. disclose an estimated bandwidth having a specified traffic property and a total estimated bandwidth having the same specified traffic property such that not only does SOUMIYA et al. calculate an estimated bandwidth for a QoS-specified connection, SOUMIYA et al. determine which traffic class the call belongs to, such that there are no unspecified traffic in SOUMIYA et al.

Therefore, SOUMIYA et al. neither disclose or suggest calculating an assigned bandwidth on a link associated with a QoS-specified connection request nor calculating an estimated bandwidth to be assigned to an existing QoS-unspecified traffic on the link associated with the QoS-specified connection request as recited in claim 1. As the reference does not disclose that which is recited, the anticipation rejection is not viable. Reconsideration and withdrawal of the rejection are respectfully requested.

Claims 2 and 3 depend from claim 1 and further define the invention and are also believed patentable over SOUMIYA et al.

Claim 6 is directed to a call admission control system and provides that an estimated bandwidth is a bandwidth to be assigned to an existing QoS-unspecified connection on the link and determining whether the QoS-specified connection request is accepted, based on a combination of the estimated bandwidth and

an assigned bandwidth that is already assigned in the link. As set forth above regarding claim 1, SOUMIYA et al. neither disclose an assigned bandwidth nor a QoS-unspecified connection. Accordingly, the comments above regarding claim 1 are equally applicable to claim 6.

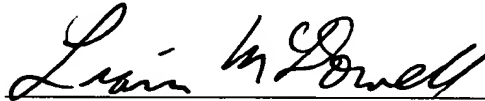
Claim 9 also provides that the estimated bandwidth is a bandwidth to be assigned to existing QoS-unspecified connections on the link, and determining whether the QoS-specified connection request is accepted, based on a combination of the estimated bandwidth and an assigned bandwidth that is already assigned in the link. The comments above regarding claim 6 are equally applicable to claim 9.

In view of the present amendment and the foregoing remarks, it is believed that the present application has been placed in condition for allowance. Reconsideration and allowance are respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. §1.16 or under 37 C.F.R. §1.17.

Respectfully submitted,

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